

Anti-Tristetraprolin/TTP antibody ab83579

★★★★★ [2 Abreviews](#) [7 References](#) [2 Images](#)

Overview

Product name	Anti-Tristetraprolin/TTP antibody
Description	Rabbit polyclonal to Tristetraprolin/TTP
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Tristetraprolin/TTP aa 50-150 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: P26651 (Peptide available as ab106207)
Positive control	This antibody gave a positive signal in the following whole cell lysates: HeLa; HepG2; Jurkat; Ramos; A431; SK N SH; PC3.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified

Clonality	Polyclonal
Isotype	IgG

Applications

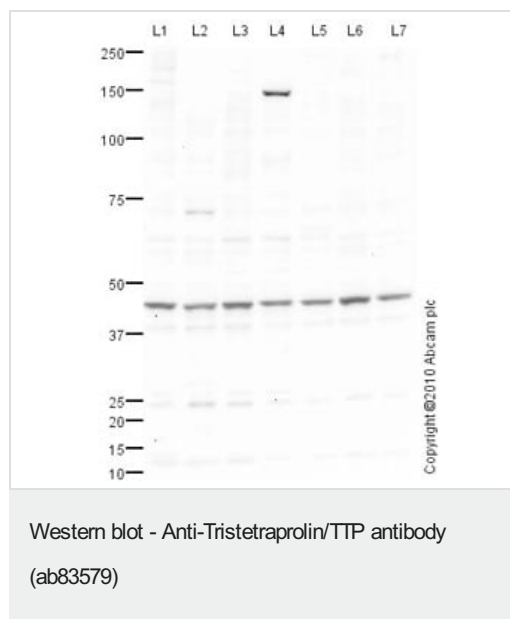
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab83579 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 34 kDa).

Target

Function	mRNA-binding protein involved in post-transcriptional regulation of AU-rich element (ARE)-containing mRNAs. Acts by specifically binding ARE-containing mRNAs and promoting their degradation. Recruits deadenylase CNOT7 (and probably the CCR4-NOT complex) via association with CNOT1. Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF). Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF).
Sequence similarities	Contains 2 C3H1-type zinc fingers.
Post-translational modifications	Phosphorylation by MAPKAPK2 increases its stability and binding to 14-3-3 proteins, leading to reduce its ARE affinity leading to inhibition of degradation of ARE-containing transcripts. Phosphorylated upon mitogen stimulation.
Cellular localization	Nucleus. Cytoplasm. Localizes to stress granules upon energy starvation. phosphorylation by MAPKAPK2 promotes exclusion from stress granules.

Images



All lanes : Anti-Tristetraprolin/TTP antibody (ab83579) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 3 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 4 : Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 5 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 6 : SK N SH (Human neuroblastoma) Whole Cell Lysate

Lane 7 : PC3 (Human prostate carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

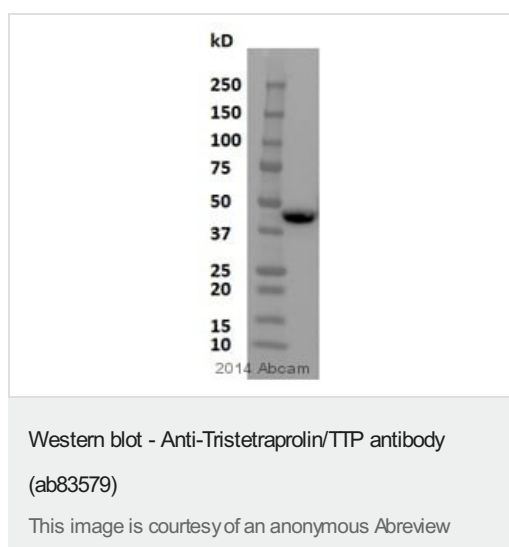
Predicted band size: 34 kDa

Observed band size: 44 kDa

Additional bands at: 150 kDa, 25 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 10 minutes

Tristetraprolin contains a number of potential phosphorylation sites (SwissProt data) which may explain it running at a higher molecular weight than predicted. The expression profile observed is also consistent with what has been described in the literature (PMID:16508015).



Anti-Tristetraprolin/TTP antibody (ab83579) at 1/1000 dilution + HeLa whole cell lysate at 20 µg

Secondary

HRP-conjugated goat anti-rabbit IgG at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 34 kDa

Observed band size: 44 kDa

Exposure time: 1 minute

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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